

WHAT IS CLAIMED IS:

1. A coolant recovery system of a vehicle having an engine and a radiator, the system comprising:

5 a coolant reservoir having a first pressure cap formed at an upper portion thereof;

a first ventilation hose connecting the first pressure cap and the radiator such that vapor from the radiator is supplied to the coolant reservoir through the first ventilation hose when vapor pressure in the radiator becomes greater than a predetermined pressure of the first pressure cap;

10 a second ventilation hose connecting the engine and the upper portion of the coolant reservoir; and

a check valve disposed on the second ventilation hose for preventing reverse flow from the coolant reservoir to the engine.

15 2. The coolant recovery system of claim 1, wherein the upper portion of the coolant reservoir has a circular cross-section.

3. The coolant recovery system of claim 2, further comprising a second pressure cap disposed at the upper portion of the coolant reservoir.

20 4. The coolant recovery system of claim 3, wherein:
the second pressure cap comprises a projection portion; and
a stopper for preventing rotation of the projection portion is attached to the coolant reservoir.

25 5. The coolant recovery system of claim 3, further comprising an overflow hose connected to the second pressure cap.

30 6. The coolant recovery system of claim 5, wherein a predetermined opening pressure of the second pressure cap is equal to or lower than a predetermined opening

pressure of the first pressure cap.